

Perkins V Career Pathways Project



Teacher Rollout Workshop
May 12, 2021

Objectives:

Develop

a shared concept of Perkins V changes and requirements

Understand

key vocabulary terms related to CBE and Perkins V

Identify

approved and supplemental credentials

Explain

new curriculum documents and support materials

Questions?





A little history...

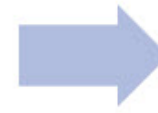
Perkins V:
Mindset
Changes

PIV

standards
align to
assessments

segments

articulation
agreements



PV

competencies
will align to
credentials

“Perkins
Courses”

credit
agreements

PERKINS V TIMELINE



PY2 is Perkins V implementation target for:

12.0400	46.0000	47.0604	52.0299
13.0000	46.0301	51.0000	00.0000

Postsecondary Recognized Credentials



Industry-recognized
certification



Educational certificate



License



Educational degree



Apprenticeship Completion
Certificate

Aligned to State Goals



Goal: Increase the number of working-age adults with a skill certificate or college degree from 45% today to 60% by 2030.

Goal: Expand secondary learning opportunities for all students

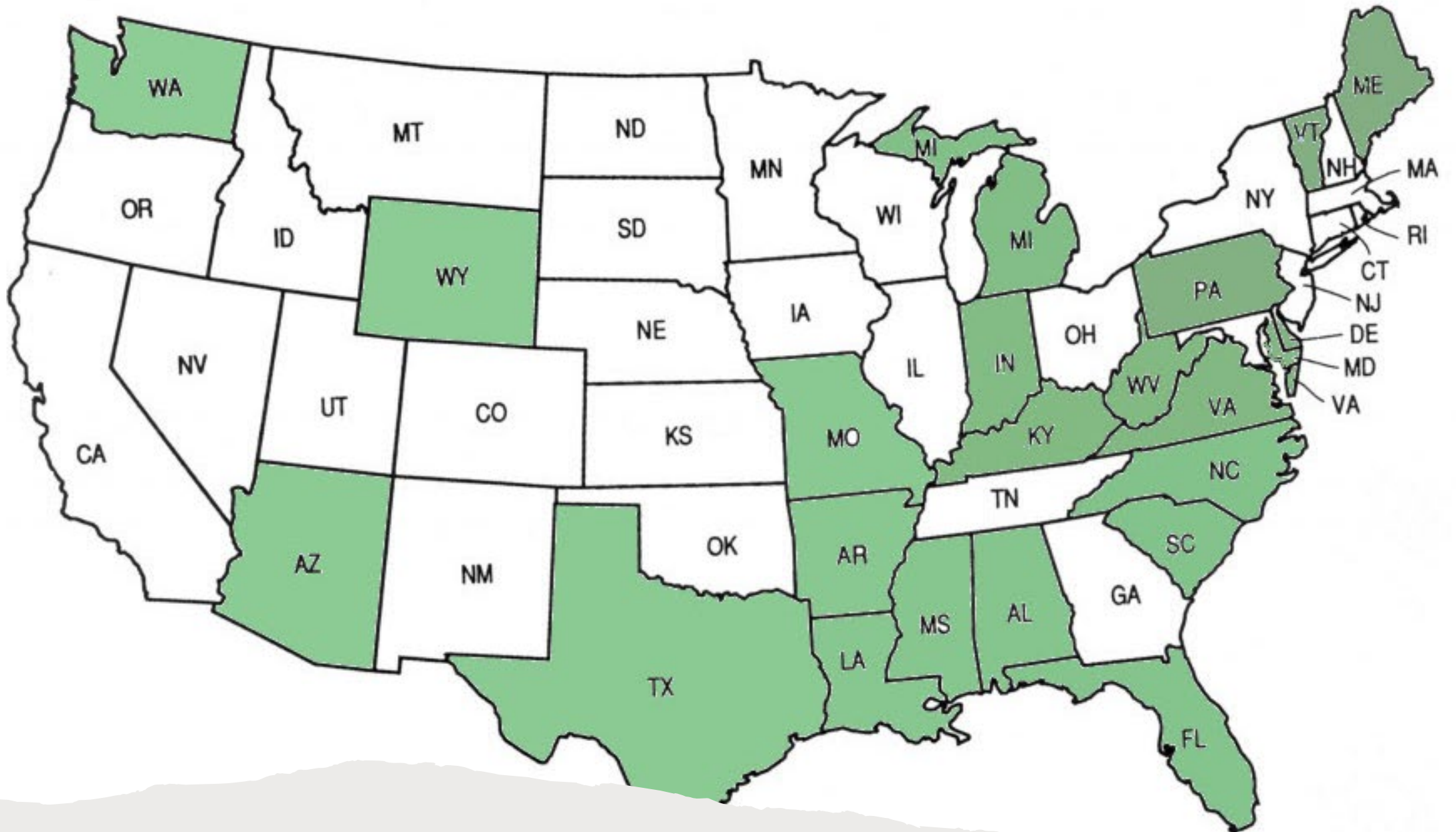


Goal: Increase the percentage of all students who graduate from high school

Goal: Increase the percentage of adults with a postsecondary credential

AK

HI



Industry-Recognized Credential (IRC)



- ✓ Related to a particular occupation
- ✓ Recognized in labor market
- ✓ Portable across state borders
- ✓ Assess student skills

Supplemental Credentials



2019 – 2020 Grant Projects

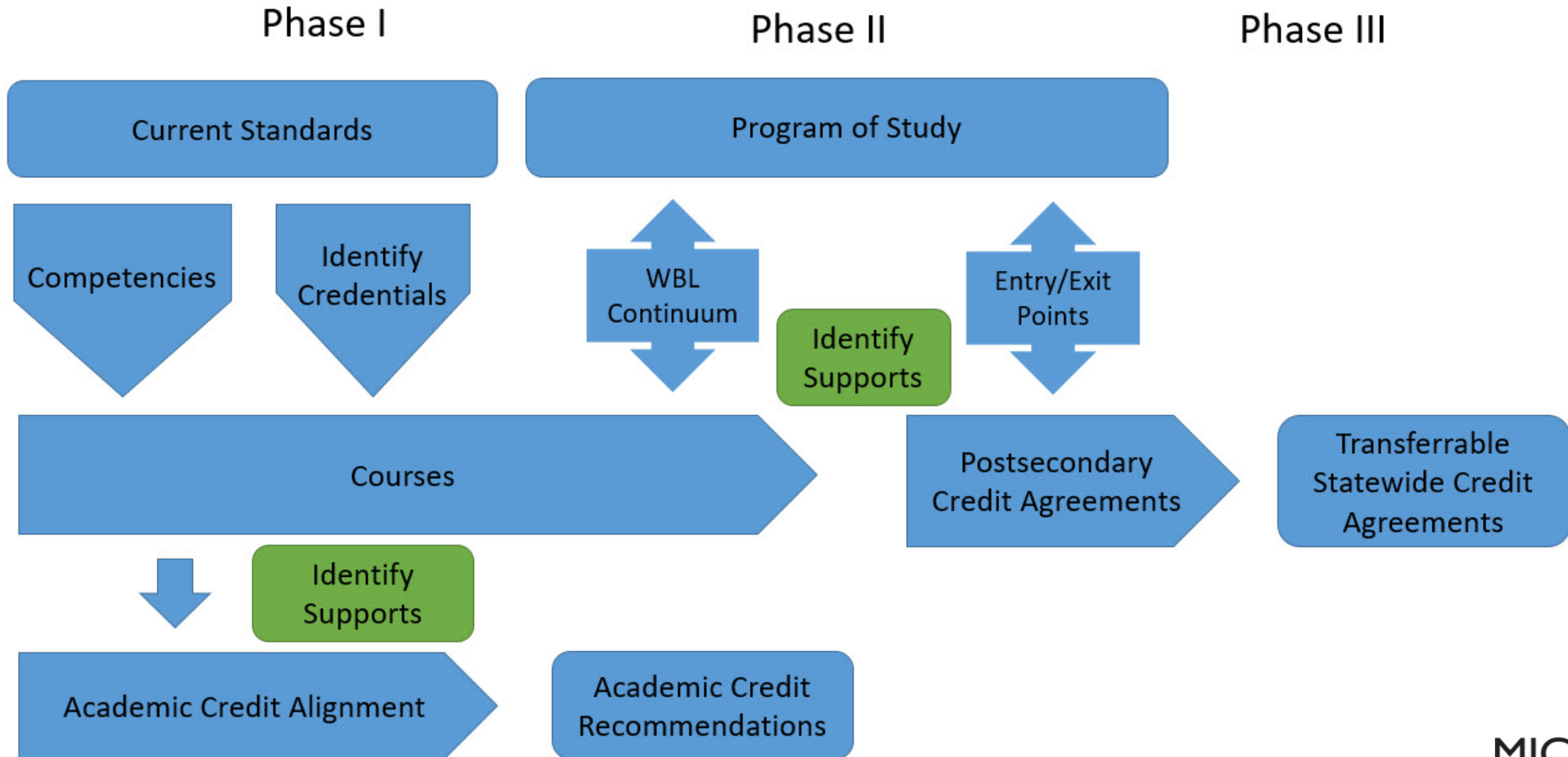
Five CIP codes approved for the current grant year:

51.0000	Health/Therapeutic Services
46.0301	Electric/Power Trans Transmitter
46.0000	Construction Trades
47.0604	Automotive Technician
52.0299	Business Administration, Management & Operation

Two CIP areas participating in parallel project work:

12.0400	Cosmetology
13.0000	Education, General

Career Pathways Grant

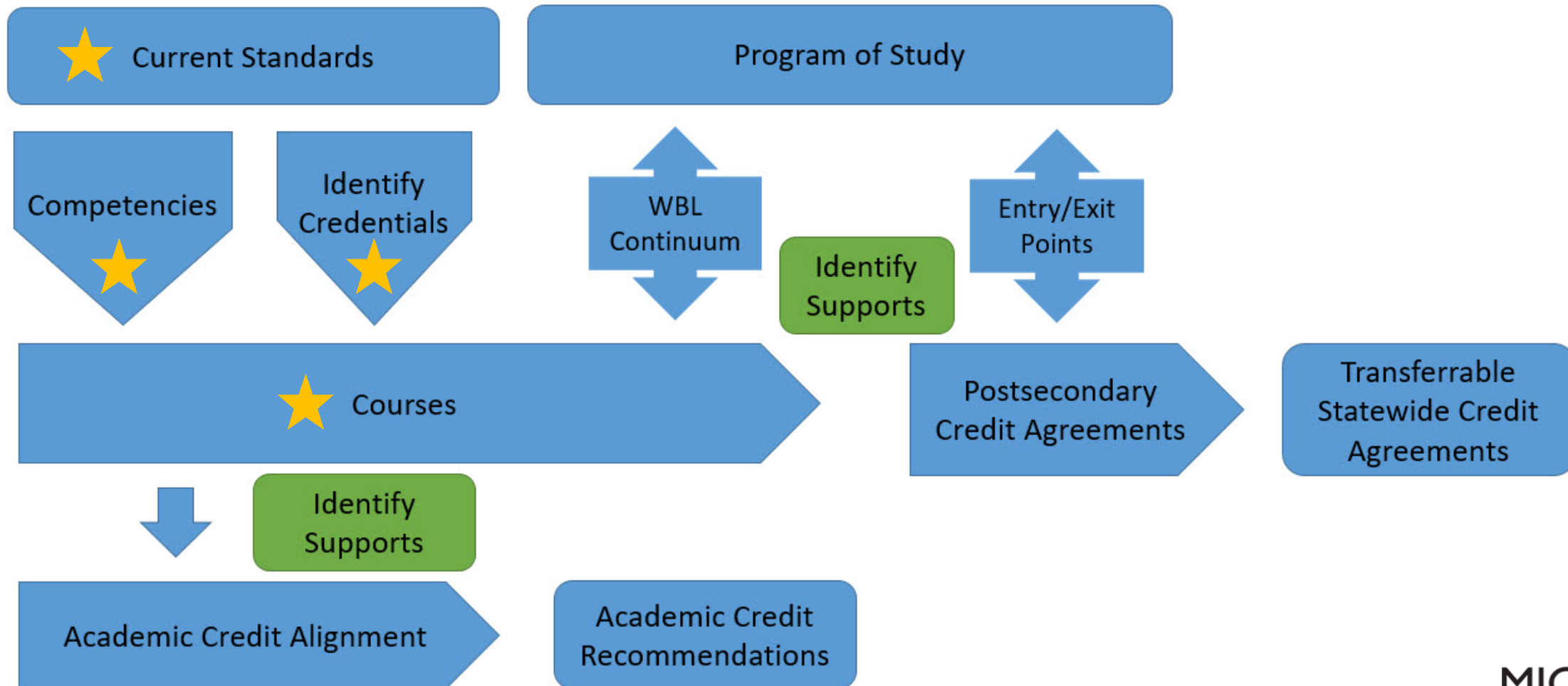


Career Pathways Grant

Phase I

Phase II

Phase III



Questions on History?





Credential Identification



Recommended Supplemental Credentials



Approval Process

Approved Credentials



52.0299 Business Administration, Management & Operation

- Microsoft Office Specialist: Word Associate or Expert
- Microsoft Office Specialist: PowerPoint Associate
- Microsoft Office Specialist: Excel Associate or Expert
- Entrepreneurship and Small Business
- Communication Skills for Business

Combination of any two
required to fulfill 5S1

Competency		Cluster / Pathway Standard		Standard		Performance Indicator	
C-1	Collect, organize, and utilize data and problem solving skills to analyze and communicate business decisions.	BAC01.01	Solve mathematical problems and use the information to make business decisions and enhance business management duties.	BAC01.01.04 Segment 3	Perform data analysis to make business decisions.	Organize useful data	
						Answer questions appropriately	
						Develop and evaluate inferences and predictions	
		BAC01.02	Examine and employ business and economic principles and concepts in making informed business decisions to continue business operations.	BAC01.01.05 Segment 6	Evaluate the accuracy of mathematical responses using problem-solving techniques.	Apply a variety of problem-solving strategies	
						Adjust problem-solving strategies, when needed	
		BAC10.02	Establish, maintain, control, and plan the use of financial resources to protect solvency.	BAC01.02.07 Segment 7	Determine global trade's impact on business decision-making.	Discuss the impact of cultural and social environments on global trade	
		BAC10.02	Establish, maintain, control, and plan the use of financial resources to protect solvency.	BAC10.02.04 Segment: 7	Explain the use of financial-services providers to aid in financial-goal achievement.	Describe types of financial-services providers	
						Discuss considerations in selecting a financial-services provider	
		BAC10.03	Employ tools and strategies to influence, plan, control, and organize an organization/department.	BAC10.03.02 Segment 4		Explain the nature of business plans	
Develop company goals/objectives							
Define business mission							
Conduct an organizational SWOT							
Explain external planning considerations							
Identify and benchmark key performance indicators (e.g., dashboards, scorecards, etc.)							
Develop action plans							
Develop business plan							
					Identify data sources that best meet the needs of the business		



My credential isn't on
the list!



Questions on Credentials?





Standards to Competencies

competence [kom-pi-tuh ns]

noun

- 1 the quality of being **competent**; adequacy; possession of required skill, knowledge, qualification, or capacity:

He hired her because of her competence as an accountant.

Synonyms for *competence*

appropriateness

capability

capacity

competency

expertise

fitness

know-how

proficiency

qualification

savvy

skill

suitability

adequacy

makings

might

moxie

cutting it

cutting the mustard

hacking it

making the grade

qualifiedness






the goods

the right stuff

what it takes

■ MOST RELEVANT



Student	Achievement	Other Relevant Details	Averaging all Grade Entries: Result
Mariela	"C" achievement throughout course		Final Grade = C
Christian	"A" achievement throughout course	Chronic late homework & some 0s 	Final Grade = C
Tatiana	"A" on tests, but...	Struggles to learn until then (homework) 	Final Grade = C
Sayed	"F" achievement early	"A" achievement by the end 	Final Grade = C
Oscar	Ds and Fs on tests, but ...	Hard worker, great kid, homework on time, extra credit 	Final Grade = C

Credentials vs. Competencies

A credential is the validation of a **set** of competencies.

Standards to Competencies: Technical

Technical

Cluster

Pathway

Career Ready
Practices



Standards to Competencies: Cluster and Pathway

Technical

Cluster

Pathway

Career Ready
Practices



Career Clusters

The National Career Clusters® Framework provides a vital structure for organizing and delivering quality CTE programs through learning and comprehensive programs of study.

[Career Clusters | Advance CTE \(careertech.org\)](https://careertech.org)

Standards to Competencies: Career Ready Practices

Technical

Cluster

Pathway

Career Ready
Practices



CCTC
Common Career Technical Core

The Career Ready Practices

ACT AS A RESPONSIBLE AND CONTRIBUTING CITIZEN AND EMPLOYEE.

Career-ready individuals understand the obligations and responsibilities of being a member of a community, and they demonstrate this understanding every day through their interactions with others. They are conscientious of the impacts of their decisions on others and the environment around them. They think about the near-term and long-term consequences of their actions and seek to act in ways that contribute to the betterment of their teams, families, community and workplace. They are reliable and consistent in going beyond the minimum expectation and in participating in activities that serve the greater good.

APPLY APPROPRIATE ACADEMIC AND TECHNICAL SKILLS.

Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation.

[CareerReadyPractices-FINAL.pdf \(careertech.org\)](#)

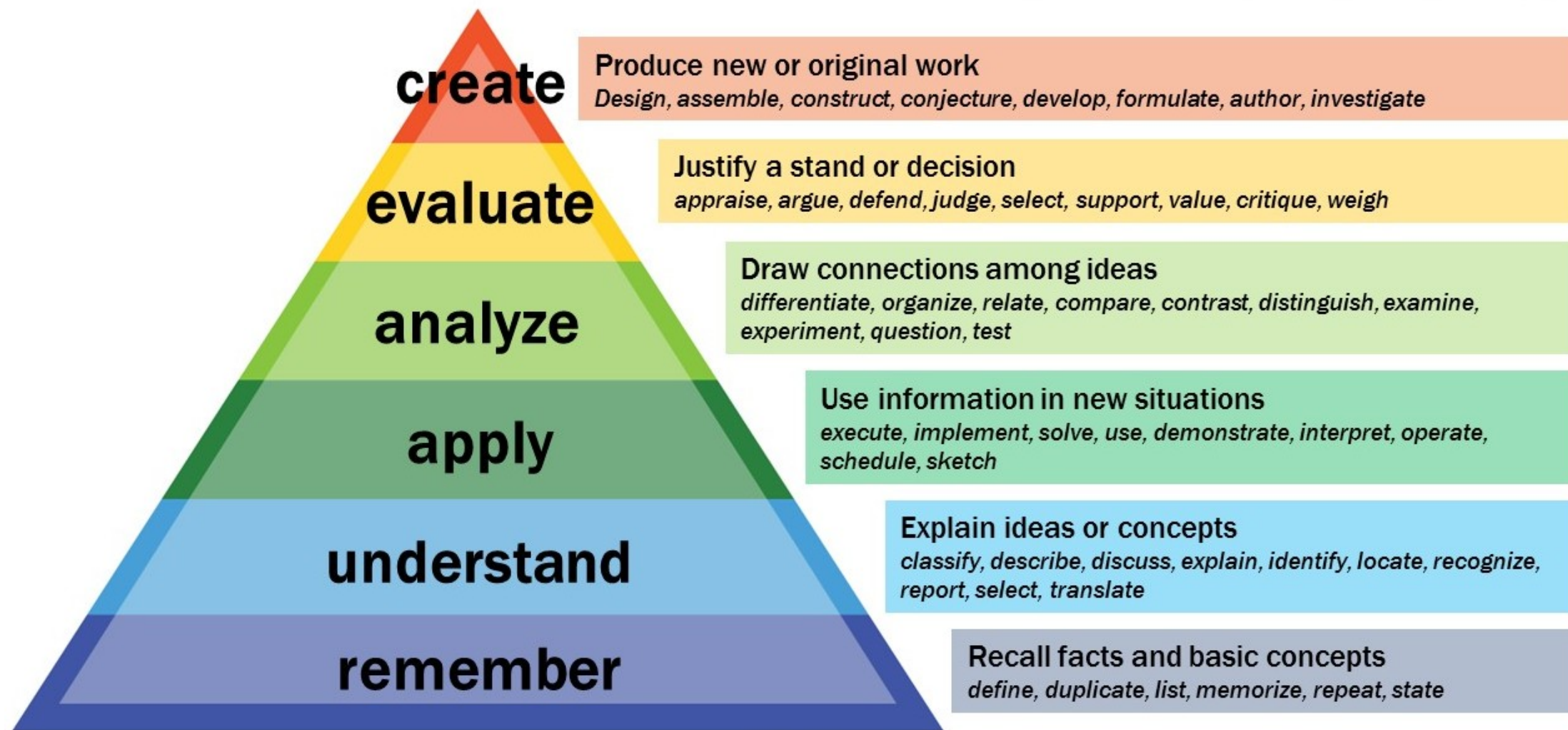


Directions: (Print on legal size paper)
Secondary Delivery: Indicate the level the student will be able to perform the standard when leaving the program for each of the *Performance Elements*
Local Task ID Code/Delivery Point: Indicate where the standard is delivered in the curriculum
Academic Standards Crosswalk: You may indicate the academic content expectation number or you may use a check mark to indicate the appropriate academic content taught in the standard
Post-Secondary Delivery for Articulation: Indicate with a check if this is a standard required for post-secondary articulation for the program

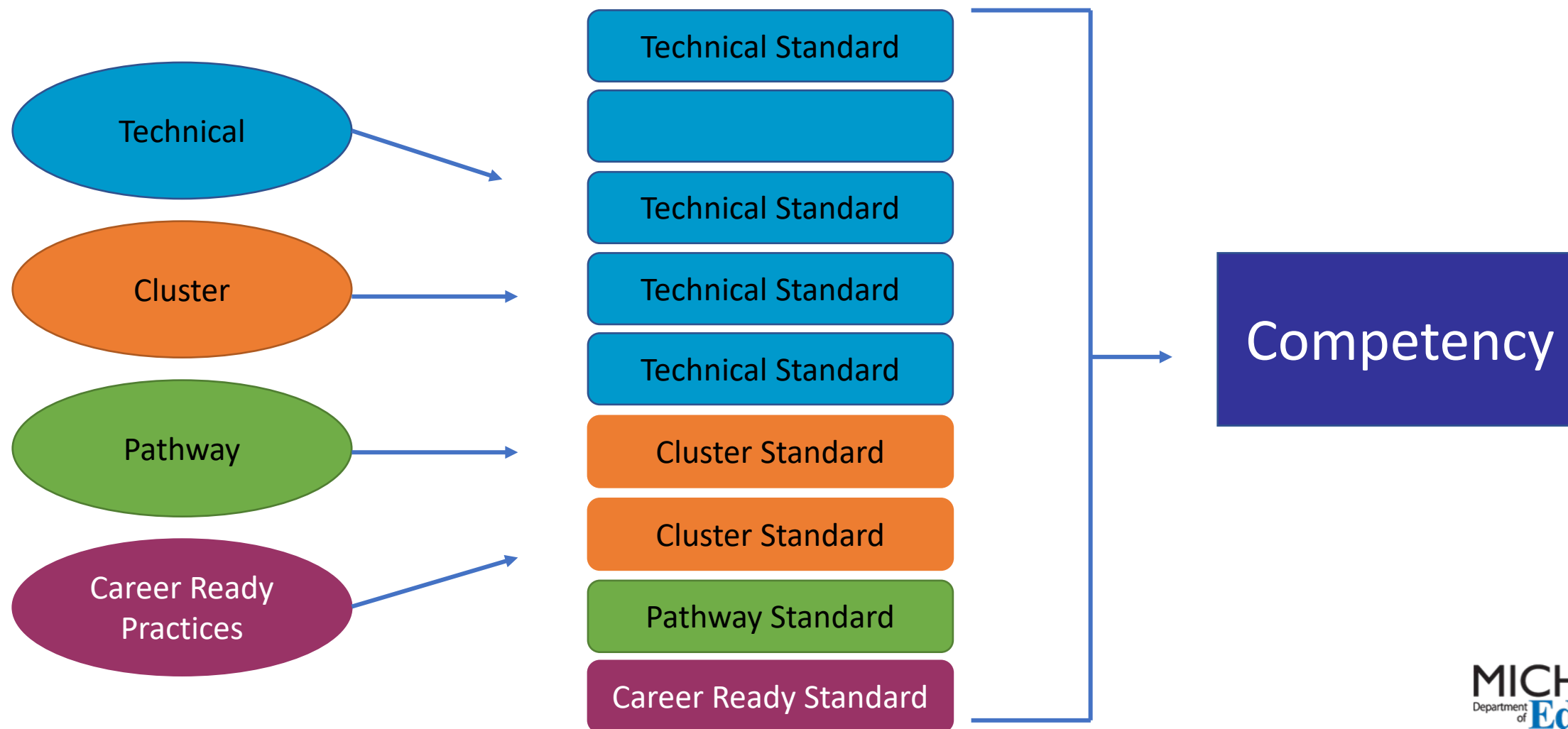
				51.0000 Health Sciences/Allied Health/Health Sciences, General (2017)		Standard Source		Secondary Gap Analysis		Post-Secondary Delivery for Articulation		Academic Standards Crosswalk												
Knowledge	Skills	Performance Element	Measurement Criteria	State approved CTE programs shall not be in violation of a federal statute or regulation including Hazardous Occupations Orders (https://www.dol.gov/whd/regs/compliance/childlabor101.pdf).				RATING SCALE: 4 = Exceeds criteria and/or able to teach task 3 = Accomplishes task to criteria 2 = Accomplishes task with help 1 = Exposed to the task		Post-Secondary Delivery for Articulation		Academic Standards Crosswalk												
								Rate Only the Performance Element				Pre	Anatomy and Physiology	Legal Responsibilities	Infection Control	Client Status								
								4	3	2	1	N	Local Task ID Code/Delivery Point	✓	ELA	Math	Social Studies	Science	VPAA	0	1	2	3	4
TECHNICAL						NCHSE																		
CLIENT INTERACTION Therapeutic services professionals will be able to explain planned procedures and goals to patients and																								

Diving In

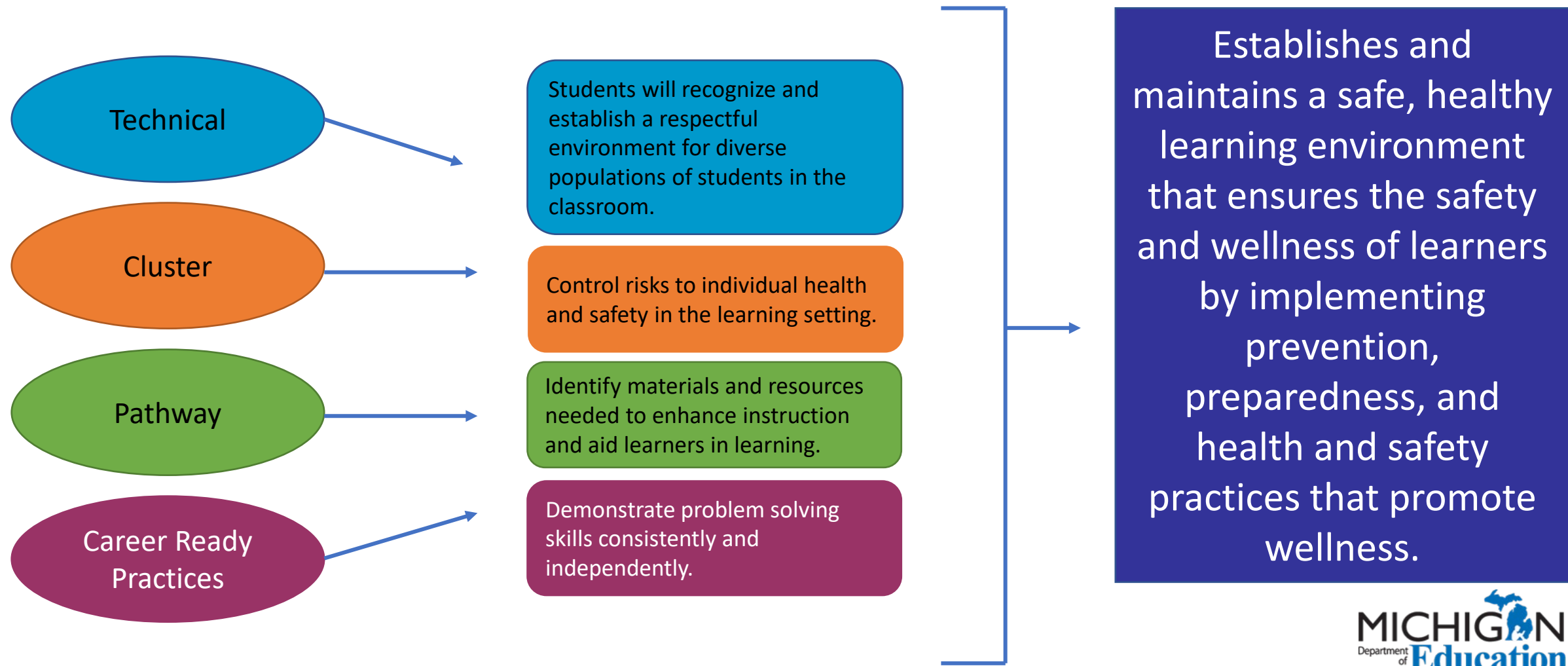
Bloom's Taxonomy



Clustered Standards = Competencies



Example of Standards = Competencies



Establishes and maintains a safe, healthy learning environment that ensures the safety and wellness of learners by implementing prevention, preparedness, and health and safety practices that promote wellness.

Standards Provide the Foundation

3	Directions: (Print on legal size paper)			
4	Secondary Delivery: Indicate the level the student will be at			
5	Local Task ID Code/Delivery Point: Indicate where the sta			
6	Academic Standards Crosswalk: You may indicate the acc			
7	Post-Secondary Delivery for Articulation: Indicate with a			
8				
	51.0000 Health Science			
	Health/Health Sciences,			
	(2017)			
	State approved CTE programs shall not be i of a federal statute or regulation inclu Hazardous Occupations Orders (https://www.dol.gov/whd/regs/compliance/chilc)			
	Knowledge	Skills	Performance Element	Measurement Criteria
	★	★		
	TECHNICAL			
11	CLIENT INTERACTION			
	Therapeutic services professionals will b explain planned procedure and goals to			

TECHNICAL

CLIENT INTERACTION

Therapeutic services professionals will b
explain planned procedure and goals to

Performance Indicators

Use technology tools to plan, organize, monitor and control business functions to optimize the overall business success.

Word
Associate

- ✓ Create, navigate, and format a document
- ✓ Create and modify a list or table

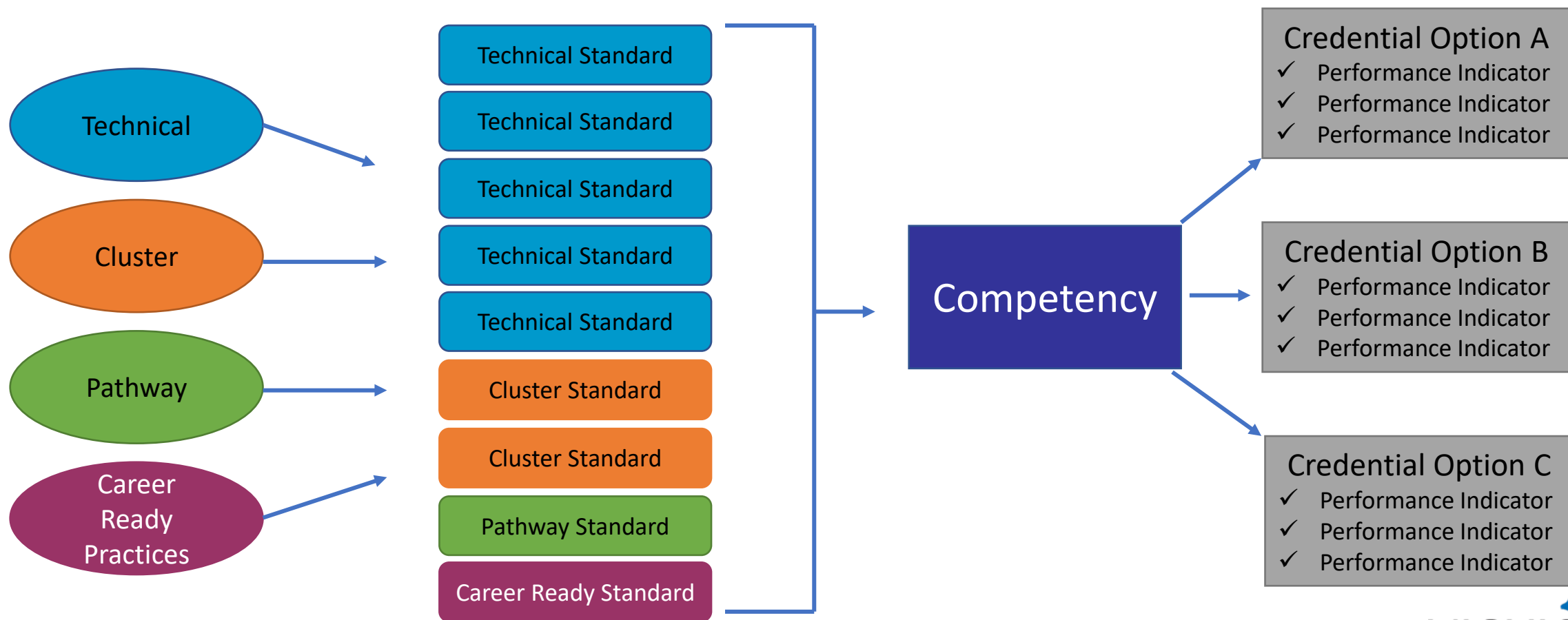
Excel
Associate

- ✓ Create custom slide shows
- ✓ Apply built in tables and SmartArt

PowerPoint
Associate

- ✓ Import data and configure content
- ✓ Create, modify, and format charts

Standards to Competencies to Credentials



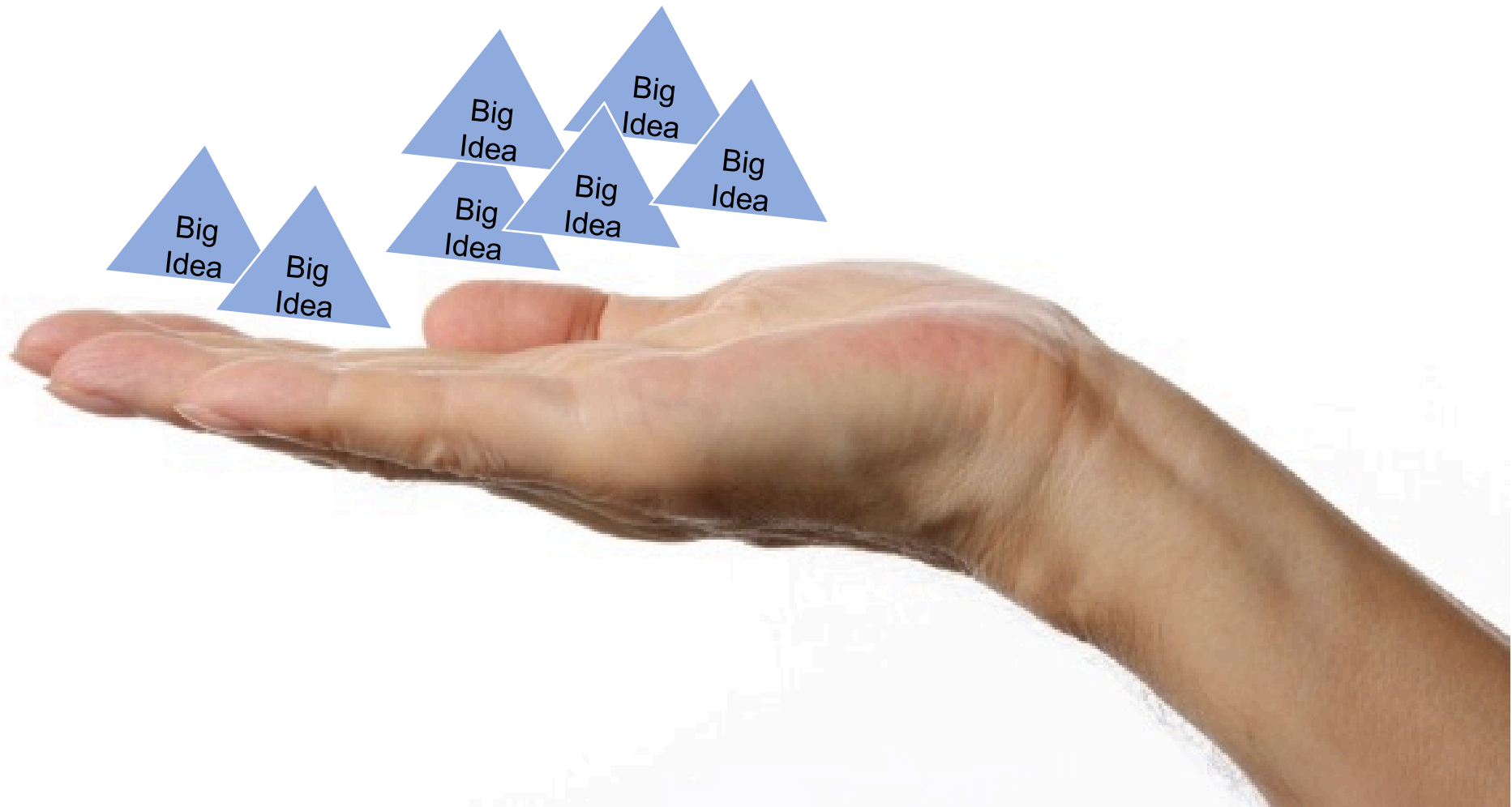
Communications	Career Readiness / Professionalism	Information Technology	Business Management and Leadership
Collect, organize, and utilize data and problem-solving skills to analyze and communicate business decisions.	Identify opportunities, methods, and limitations to establishing and operating a business enterprise.	Assess, process, maintain and evaluate information used in the operation, decision making and protecting the fiscal stability of a business using technology tools.	Strategically plan, organize, and manage business goals, growth, and profit to ensure business success
Describe the laws and regulations affecting business productivity and operations as well as communicate the impact of non-compliance.	Explore career opportunities as well as utilize strategies to determine appropriate career opportunities and relationships.	Describe the laws and regulations with regards to the use of technology in business operations and productivity and the impact of non-compliance	Employ strategies and techniques to collect, organize, analyze and share information fundamental to business relations and global operations
Describe the processes and systems used in day-to-day business activities, including quality standards and risk management.	Analyze and evaluate resources to meet financial need and goals.	Use technology tools to plan, organize, monitor and control business functions to optimize the overall business success.	Plan, implement, monitor, and evaluate processes and financial resources to ensure continued business operations and fiscal well-being.
Demonstrate and communicate strategies for ensuring a successful business career.			Analyze and Evaluate criteria to plan for and actualize business goals including new product development, profitability, and growth.
			Describe and Disseminate regulatory controls and Develop a plan for compliance.
			Conduct a self-analysis to organize personal strengths, weaknesses, opportunities, and threats to successfully navigate career opportunities.
Entrepreneurship and Business Planning	Law, Ethics, and Regulations	Operational and Human Resource Management	Financial Management
Identify business and economic principles and analyze market data to make informed business decisions.	Identify, explain, and apply the legal and ethical implications related to the creation, operation, and termination of a business.	Identify, implement, and evaluate business operational elements and resources to develop opportunities for growth and success.	Collect, organize, calculate, interpret, and monitor financial information to make informed, data-driven business decisions.
Create a plan for a new idea or business venture including feasibility, start-up requirements, financing, business organization, and management strategies.	Examine and employ economic principles in making informed business decisions.	Articulate safety regulations and procedures to ensure operational efficiency and protect resources.	Determine and explain resources needed for a business venture start up and operations.
Describe the laws and regulations affecting business productivity and operations as well as communicate the impact of non-compliance.		Demonstrate and communicate strategies for operating a successful business.	Identify tools, strategies, and systems to plan, control, and monitor resources, and calculate financial statements needed to maintain financial well-being.
Explain and use knowledge management strategies - including collaboration and information sharing - to improve the performance and competitive advantage of an organization.			Explain the responsibility to protect confidential information as required by government regulations and tax laws.

Questions on Standards to Competencies ?





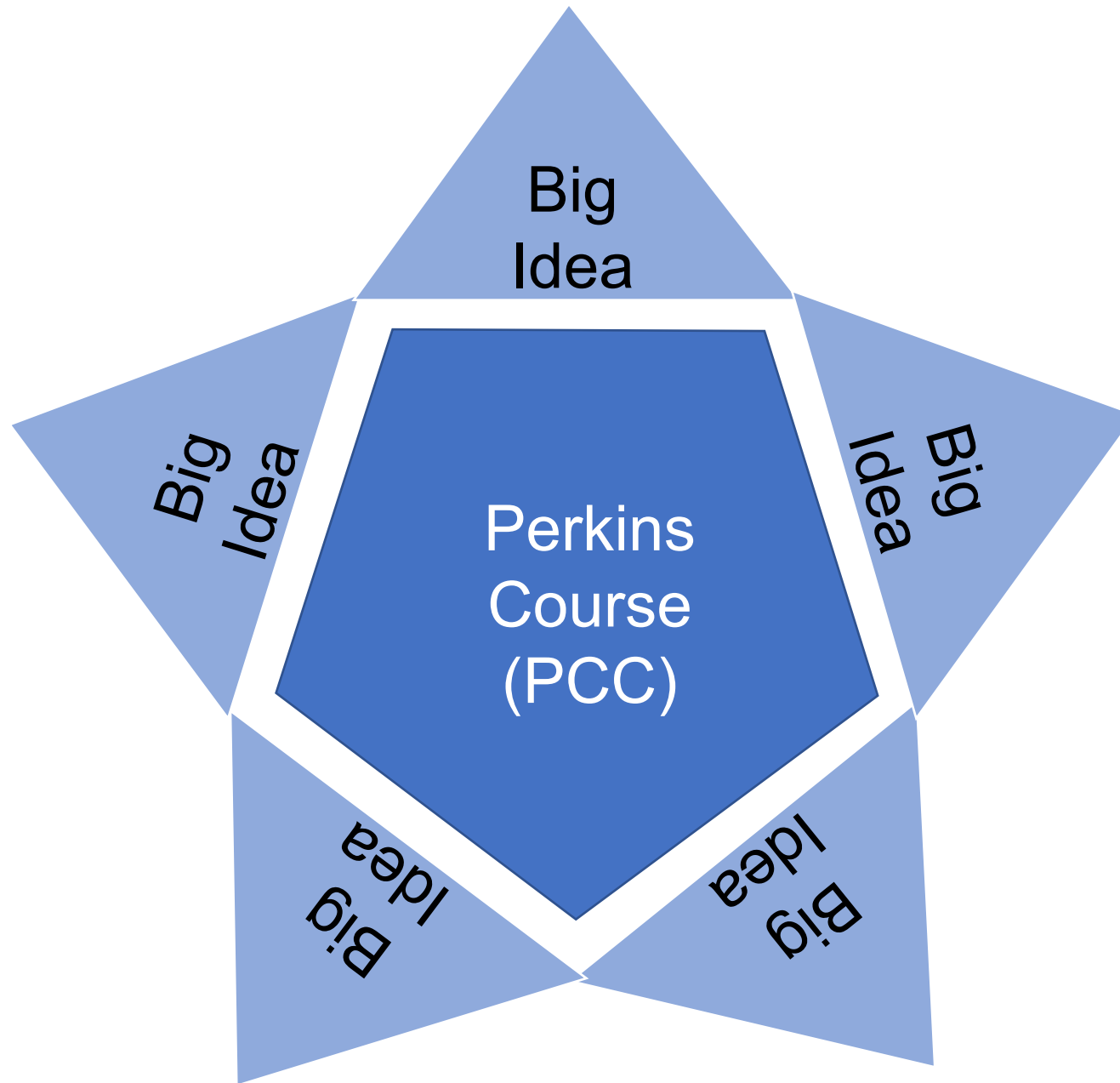
Business PCCs



Perkins Course Competencies (PCCs)

A specified group of competencies aligned with the state CTE program standards that take approximately 80 hours of instruction to deliver. The competencies are grouped as part of the career pathways grant process.

Competencies will be marked complete for a student when the student earns a grade of 2.0 or better in a local course section that covers those competencies.



PCC	Competencies	Standards Alignment Key	Current Segments
A	Collect, organize, and utilize data and problem-solving skills to analyze and communicate business decisions.	C-1	3,4,6,7,9,11
	Identify opportunities, methods, and limitations to establishing and operating a business enterprise.	CRP-1	3, 4, 5, 8, 10, 11
	Explore career opportunities as well as utilize strategies to determine appropriate career opportunities and relationships.	CRP-2	1, 5, 8, 9, 10,12
	Identify business and economic principles and analyze market data to make informed business decisions.	EBP-1	8, 7, 9
B	Describe the processes and systems used in day-to-day business activities, including quality standards and risk management.	C-3	6,7
	Demonstrate and communicate strategies for ensuring a successful business career.	C-4	8,12
	Analyze and evaluate resources to meet financial need and goals.	CRP-3	7
	Assess, process, maintain and evaluate information used in the operation, decision making and protecting the fiscal stability of a business using technology tools.	IT-1	1, 3, 4, 6, 7, 9, 11
	Describe the laws and regulations with regards to the use of technology in business operations and productivity and the impact of non-compliance	IT-2	5, 6, 9, 10
	Technology tools to plan, organize, monitor and control business functions to optimize the overall business success.	IT-3	2, 3, 6
	Strategically plan, organize, and manage business goals, growth, and profit to ensure business success	BML-1	3, 4, 5, 9
	Employ strategies and techniques to collect, organize, analyze and share information fundamental to business relations and global operations	BML-2	1, 4, 6, 9, 10
	Plan, implement, monitor, and evaluate processes and financial resources to ensure continued business operations and fiscal well-being.	BML-3	4, 6, 7, 11
	Analyze and Evaluate criteria to plan for and actualize business goals including new product development, profitability, and growth.	BML-4	4, 7, 9
	Conduct a self-analysis to organize personal strengths, weaknesses, opportunities, and threats to successfully navigate career opportunities.	BML-6	8, 9, 10, 12
	Create a plan for a new idea or business venture including feasibility, start-up requirements, financing, business organization, and management strategies.	EBP-2	3, 4, 5, 6, 7, 9, 10, 11
	Describe the laws and regulations affecting business productivity and operations as well as communicate the impact of non-compliance.	EBP-3	4, 5, 6, 10
	Examine and employ economic principles in making informed business decisions.	LER-2	1, 7, 9
	Articulate safety regulations and procedures to ensure operational efficiency and protect resources.	OHRM-2	5, 6, 9, 10
	Demonstrate and communicate strategies for operating a successful business.	OHRM-3	4, 6, 7, 9
	Collect, organize, calculate, interpret, and monitor financial information to make informed, data-driven business decisions.	FIN-1	3, 6, 7
	Determine and explain resources needed for a business venture start up and operations.	FIN-2	4
	Identify tools, strategies, and systems to plan, control, and monitor resources, and calculate financial statements needed to maintain financial well-being.	FIN-3	4, 6, 7
C	Describe the laws and regulations affecting business productivity and operations as well as communicate the impact of non-compliance.	C-2	5, 10
	Describe and Disseminate regulatory controls and Develop a plan for compliance.	BML-5	4, 5, 6, 9, 10
	Explain and use knowledge management strategies - including collaboration and information sharing - to improve the performance and competitive advantage of an organization.	EBP-4	9
	Identify, explain, and apply the legal and ethical implications related to the creation, operation, and termination of a business.	LER-1	1, 3, 4, 5, 6, 7, 9, 10, 12
	Identify, implement, and evaluate business operational elements and resources to develop opportunities for growth and success.	OHRM-1	3, 4, 5, 6, 7, 9, 11
	Explain the responsibility to protect confidential information as required by government regulations and tax laws.	FIN-4	10

Competency Code	PCC	Competencies	Standards Alignment Key	Current Segments
A1	A	Collect, organize, and utilize data and problem solving skills to analyze and communicate business decisions.	C-1	3,4,6,7,9,11
A2		Identify opportunities, methods, and limitations to establishing and operating a business enterprise.	CRP-1	3, 4, 5, 6, 10, 11
A3		Explore career opportunities as well as utilize strategies to determine appropriate career opportunities and relationships.	CRP-2	1, 5, 8, 9, 10,12
A4		Identify business and economic principles and analyze market data to make informed business decisions.	EBP-1	6, 7, 9

Competency Code	PCC	Competencies	Standards Alignment Key	Current Segments
B1	B	Describe the processes and systems used in day-to-day business activities, including quality standards and risk management.	C-3	6,7
B2		Demonstrate and communicate strategies for ensuring a successful business career.	C-4	8,12
B3		Analyze and evaluate resources to meet financial need and goals.	CRP-3	7
B4		Assess, process, maintain and evaluate information used in the operation, decision making and protecting the fiscal stability of a business using technology tools.	IT-1	1, 3, 4, 6, 7, 9, 11
B5		Describe the laws and regulations with regards to the use of technology in business operations and productivity and the impact of non-compliance	IT-2	5, 6, 9, 10
B6		Technology tools to plan, organize, monitor and control business functions to optimize the overall business success.	IT-3	2, 3, 6
B7		Strategically plan, organize, and manage business goals, growth, and profit to ensure business success	BML-1	B10
B8		Employ strategies and techniques to collect, organize, analyze and share information fundamental to business relations and global operations	BML-2	B11
B9		Plan, implement, monitor, and evaluate processes and financial resources to ensure continued business operations and fiscal well-being.	BML-3	B12
B10		Analyze and Evaluate criteria to plan for and actualize business goals including new product development, profitability, and growth.	BML-4	B13

B10		product development, profitability, and growth.	BML-4	4, 7, 9
B11		Conduct a self-analysis to organize personal strengths, weaknesses, opportunities, and threats to successfully navigate career opportunities.	BML-6	8, 9, 10, 12
B12		Create a plan for a new idea or business venture including feasibility, start-up requirements, financing, business organization, and management strategies.	EBP-2	3, 4, 5, 6, 7, 9, 10, 11
B13		Describe the laws and regulations affecting business productivity and operations as well as communicate the impact of non-	EBP-3	4, 5, 6, 10
B14		Examine and employ economic principles in making informed business decisions.	LER-2	1, 7, 9
B15		Articulate safety regulations and procedures to ensure operational efficiency and protect resources.	OHRM-2	5, 6, 9, 10
B16		Demonstrate and communicate strategies for operating a successful business.	OHRM-3	4, 6, 7, 9
B17		Collect, organize, calculate, interpret, and monitor financial information to make informed, data-driven business decisions.	FIN-1	3, 6, 7
B18		Determine and explain resources needed for a business venture start up and operations.	FIN-2	4
		Identify tools, strategies, and systems to plan,		

Competency Code	PCC	+ Competencies	Standards Alignment Key	Current Segments
C1	C	Describe the laws and regulations affecting business productivity and operations as well as communicate the impact of non-compliance.	C-2	5, 10
C2		Describe and Disseminate regulatory controls and Develop a plan for compliance.	BML-5	4, 5, 6, 9, 10
C3		Explain and use knowledge management strategies - including collaboration and information sharing - to improve the performance and competitive advantage of an organization.	EBP-4	9
C4		Identify, explain, and apply the legal and ethical implications related to the creation, operation, and termination of a business.	LER-1	1, 3, 4, 5, 6, 7, 9, 10, 12
C5		Identify, implement, and evaluate business operational elements and resources to develop opportunities for growth and success.	OHRM-1	3, 4, 5, 6, 7, 9, 11
C6		Explain the responsibility to protect confidential information as required by government regulations and tax laws.	FIN-4	10

Delivering Perkins Courses: Option 1

Local Course⁺
A

Competency I
Competency II
Competency III
Competency IV
Competency V
Competency VI
Competency VII

Local Course
B

Competency VIII
Competency IX
Competency X
Competency XI
Competency XII
Competency XII
Competency XIII
Competency XIV

Local Course
C

Competency XV
Competency XVI
Competency XVII
Competency XVIII
Competency XIX

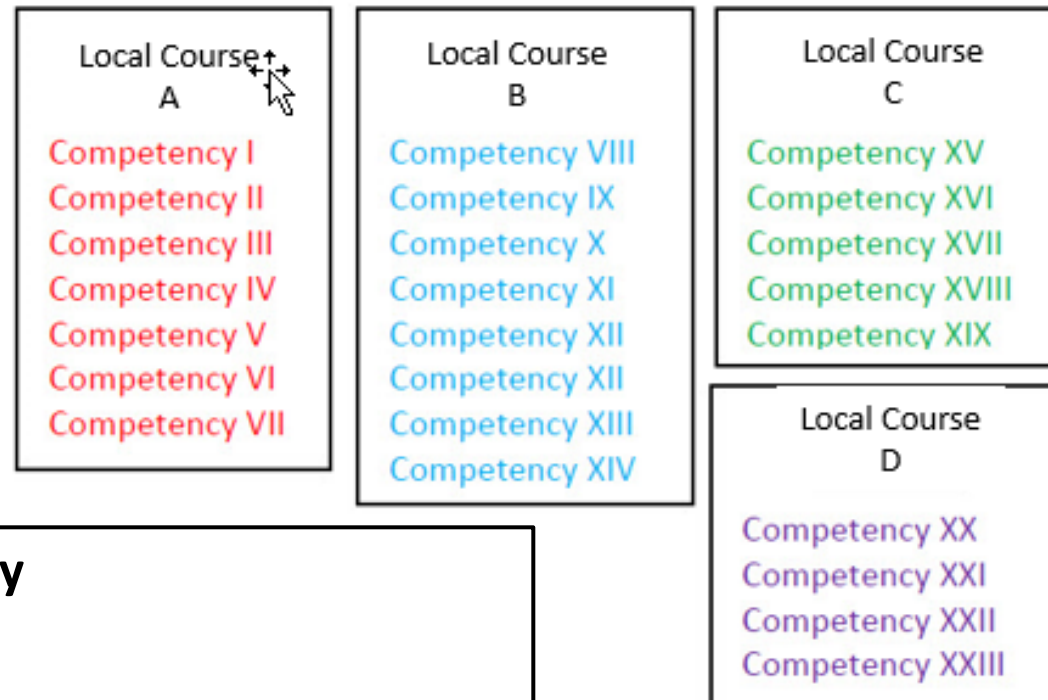
Local Course
D

Competency XX
Competency XXI
Competency XXII
Competency XXIII

PCC Key

Course A
Course B
Course C
Course D

Delivering Perkins Courses: Option 2



PCC Key

Local Course A: Traffic Laws
Local Course B: Parking Skills
Local Course C: Signs, Pavement Markings & Symbols
Local Course D: Safe Driving

Delivering Perkins Courses: Option 3

Local Course A

Competency I
Competency II
Competency III
Competency IV
Competency V
Competency VI
Competency VII

Local Course B

Competency VIII
Competency IX
Competency X
Competency XI
Competency XII
Competency XII
Competency XIII
Competency XIV

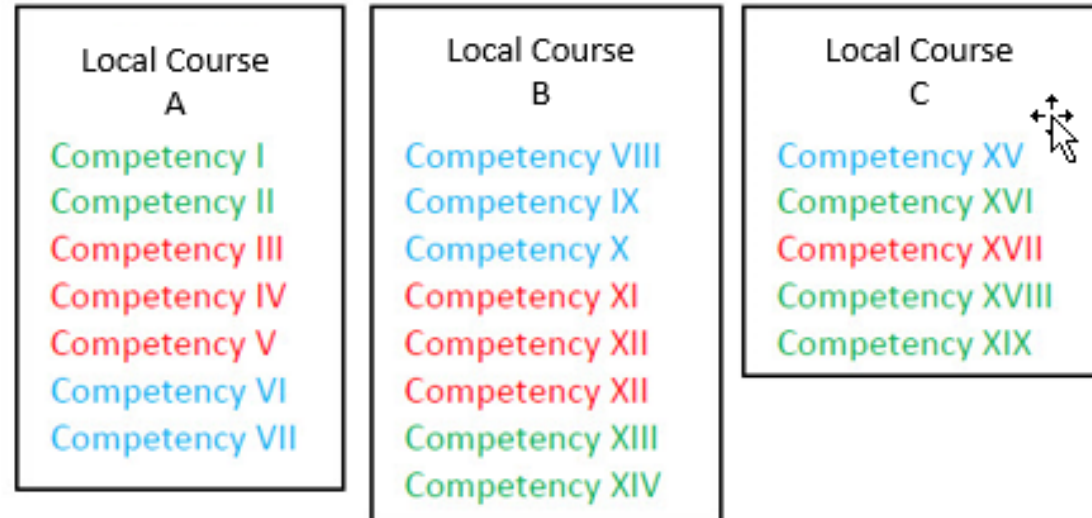
Local Course C

Competency XV
Competency XVI
Competency XVII
Competency XVIII
Competency XIX

PCC Key

Course A
Course B
Course C

Delivering Perkins Courses: Option 4



PCC Key

Traffic Laws

Parking Skills

Signs, Pavement Markings & Symbols

Safe Driving

- Reporting competencies begins in Fall 2021
- New credentials added to the approved list in CTEIS in Fall 2021 for optional reporting in 2021-2022 and required reporting in 2022-2023.

[illegible]

Questions
on PCCs?





How to Prepare
Phase-in Implementation

Phase of Readiness	Description of Readiness	Actions & Next Steps
Program is currently offering a credential	Program is already offering a credential on the approved list	<ul style="list-style-type: none"> Review approved and supplemental list; determine what may need to be added or adjusted Complete transition from segments to competencies
Program is not currently offering a credential	Teacher is qualified to teach/offer one of the credentials	<ul style="list-style-type: none"> Determine equipment and curriculum needs; set plan for fulfilling needs Plan for implementation of credential in Fall 2021 or Fall 2022
Program is not currently offering a credential	Teacher needs more training to become qualified to offer credential	<ul style="list-style-type: none"> Determine training or professional development needs Set a target date for credential implementation Obtain equipment and curriculum resources necessary for implementation
Program is not currently offering a credential	Program needs to be adjusted or restructured before credential can be offered	<ul style="list-style-type: none"> Meet with advisory committee for recommendations Set target date for implementation and phase-in plan
Program is not currently offering a credential	Teacher is not qualified to teach any of the approved credential options and cannot become qualified	<ul style="list-style-type: none"> Consult with advisory committee and postsecondary partners; review labor market data Review potential credentials and apply for an enhancement grant

Comprehensive Program of Study (POS)

Credential Readiness Survey

This survey will help to determine your readiness for the implementation of the credential for your specific CIP code that are being released as a part of the Career Pathways Grant. Please keep in mind, many of the listed CIP codes are already offering these credentials. MDE is collecting this information to prepare the necessary technical assistance for an effective roll-out.

The tentative roll-out includes:

Programs or clusters already offering the required credentials will continue to provide the credential. The change for these programs will include new instructional design and



Contact Information

mde-careerpathways@michigan.gov